Release Notes for the Cisco Multicast Manager 2.3.4

CDC Date: October 2006

These release notes are for use with the Cisco Multicast Manager (CMM) running on Solaris 8, Solaris 9, or Red Hat Enterprise Linux AS Release 3 (Taroon Update 4).

Note You must be running at least CMM version 2.3 to install the 2.3.4 upgrade.

Contents

These release notes cover:

New Features

New features for CMM 2.3.4 include:

- Support for static RPs
- Support for SSM routers
- Dynamic PIM neighbor checks
- Importing or exporting source and group polling configuration
- Enhanced polling configuration user interface
- Reporting percent of multicast traffic on an interface
- Scheduling health checks
- PPS/error counters on multicast trees

Releases and Issues

Table 1 describes all CMM releases, associated upgrade notes, supported platforms, and all resolved or open issues known to exist in each release.

✎

Note To obtain more information about known problems, access the Cisco Software Bug Toolkit at http://www.cisco.com/cgi-bin/Support/Bugtool/home.pl (you will be prompted to log into Cisco.com.)

Table 1 **CMM Releases and Issues**

Release	Upgrade Notes	Platform	Description
CMM 2.3.4	You must be running version 2.3. You must also run discovery after CMM 2.3.4 is installed.	All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	• CSCsf17845—RPF Delta Value accepts a blank entry. • CSCse24082—Historical graphs show CRM options when license is for CMM only.
CMM 2.3.3(2)			Resolved Issues: • CSCse43024—Forwarding trees not showing multiple incoming interfaces. • CSCse31056—DB File Locking problem on Linux.

Table 1   ***CMM Releases and Issues***

Release	Upgrade Notes	Platform	Description
CMM 2.3.3(1)	You must be running version 2.3. You must also run discovery after CMM 2.3.4 is installed.	All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	• Latest Events report • Indicator icons added to reports • L2 Host IPs report Resolved Issues: • CSCse04504—Reports don't differentiate between bps and pps events. • CSCse18705—Some device prompts are not recognized by the cliproxyd. • CSCse18599—RP Status Error message is incorrect.
CMM 2.3.3			• Persistent telnet support for 6500 troubleshooting • Top talkers for 6500 troubleshooting • Interface descriptions to multicast forwarding trees • Monitoring of RPF failures • Monitoring of bps as well as pps • View of latest events

Table 1 **CMM Releases and Issues**

Release	Upgrade Notes	Platform	Description
CMM 2.3.2(1)	You must be running version 2.3. You must also run discovery after CMM 2.3.4 is installed.	All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	Resolved Issues: • CSCsc24313—Database intermittently being corrupted. • CSCsc24317—Discovery takes a long time on some networks. • CSCsb51759—Trace not working when LHR is set to something other than ALL. • CSCsb45664—SNMP queries failing on *,g from trace. • CSCsb53066—Trace sometimes shows a router forwarding on *,g instead of s,g. • CSCsb52243 LTL—Check Showing False Positives. • CSCsb45715—CMM not working with IOS experimental versions. • CSCsb64157—RRD file not updating from threshold monitoring. • CSCsb69663—Remove device from database not working. • CSCsb96077—Channelized interfaces not showing up on forwarding tree. • CSCsb96086—Virtual interfaces not appearing correctly on forwarding tree display. • CSCsb96096—IOS version report not sorting by version or model.

Table 1   ***CMM Releases and Issues***

Release	Upgrade Notes	Platform	Description
CMM 2.3.2	You must be running version 2.3. You must also run discovery after CMM 2.3.4 is installed.	All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	Resolved Issues: • CSCsb45326—Polling daemon exits abnormally on certain domain names. • CSCsb45726—Discovery stops while gather IP information in some networks. • CSCsb45715—CMM not working with IOS experimental versions. Unresolved Issues: • CSCsb45664—SNMP queries failing on *,g from trace. Added Features: • CMM and CRM interfaces are now separated. Each can be selected via a tool dropdown. Also included in the tool dropdown is an Administration option. Administration contains functions that are common to both CMM and CRM.

Table 1   ***CMM Releases and Issues***

Release	Upgrade Notes	Platform	Description
CMM 2.3.2 (continued)		All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	• Support for polling start/stop times per polling interval. **Note** There is now a housekeeping thread that will run every hour to remove old route monitoring reports. By default, any report over 30 days will be removed, or if there are more than 12 reports for a single baseline, only the most recent 12 reports will be kept. These parameters can be modified under Administration, Global Polling Configuration. The housekeeping thread will run immediately upon upgrading the application. • Support for 12.3T, 12.4, and 12.4T. • The route monitor polling interval has been restricted to a minimum of 1 hour. For more frequent checking of routes, the specific route monitoring feature should be used. • [CRM] Support for monitoring of specific routes in addition to full routing table monitoring. • [CMM] Support for tracing bidir multicast forwarding trees. • [CMM] GroupAddress and groupMask added to RP status and RP summary screens.

Table 1   ***CMM Releases and Issues***

Release	Upgrade Notes	Platform	Description
CMM 2.3.2 (continued)		All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	• [CMM] Provides MDSP status info for all MSDP enabled devices, not just RPs. • [CMM] Support for Native IOS switches under Layer 2 Diagnostics. • [CMM] Improves forwarding tree graph rendering times. Caveat: • IGMP Diagnostics will not work for IOS 12.0S devices.
CMM 2.3.1	You must be running version 2.3. You must also run discovery after CMM 2.3.4 is installed.		• TACACS login support added for the application. • If the keys are configured incorrectly, they will have to be manually changed in the /opt/RMSMMT/httpd_perl/conf/httpd.conf file. • Tacacs_Pri_Key tac_plus_key • Tacacs_Sec_Key tac_plus_key

Table 1　　　　**CMM Releases and Issues**

Release	Upgrade Notes	Platform	Description
CMM 2.3.1 (continued)		All IOS-based routers, including the 6500 and 12000. The CRS and blade servers are not supported.	(see below)

```
<Sample AAA Server Config>

group = admins {
        service = connection {
                priv-lvl=15
}
group = netop {
        service = connection {}
}
user = mike {
        member = netop
        login = des mRm6KucrBaoHY
}
user = admin {
        member = admins
        login = cleartext "ciscocmm"
}
</Sample AAA Server Config>
```

- Output filter added for IGMP Diagnostics.

- Filtering option added in RP Polling Report. Clicking on a source, will now filter the report, so only that source and group are shown.

Product Documentation

✎

Note Electronic documentation is sometimes updated after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

Table 2 describes the product documentation available for CMM.

Table 2   CMM Documentation

Document Title	Available Formats
Release Notes for the Cisco Multicast Manager	• PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/tsd_products_support_series_home.html
Quick Start Guide for the Cisco Multicast Manager	• PDF on the product CD-ROM. • Printed document that was included with the product.
Installation Guide for the Cisco Multicast Manager	• PDF on the product CD-ROM. • On Cisco.com at: http://www.cisco.com/en/US/products/ps6337/tsd_products_support_series_home.html
User Guide for the Cisco Multicast Manager	• PDF on the product CD-ROM. • On Cisco.com at http://www.cisco.com/en/US/products/ps6337/tsd_products_support_series_home.html

Obtaining Documentation

Cisco documentation and additional literature are available on Cisco.com. This section explains the product documentation resources that Cisco offers.

Cisco.com

You can access the most current Cisco documentation at this URL:

http://www.cisco.com/techsupport

You can access the Cisco website at this URL:

http://www.cisco.com

You can access international Cisco websites at this URL:

http://www.cisco.com/web/siteassets/locator/index.html

Product Documentation DVD

The Product Documentation DVD is a library of technical product documentation on a portable medium. The DVD enables you to access installation, configuration, and command guides for Cisco hardware and software products. With the DVD, you have access to the HTML documentation and some of the PDF files found on the Cisco website at this URL:

http://www.cisco.com/cisco/web/psa/default.html?mode=prod

The Product Documentation DVD is created monthly and is released in the middle of the month. DVDs are available singly or by subscription. Registered Cisco.com users can order a Product Documentation DVD (product number DOC-DOCDVD= or DOC-DOCDVD=SUB) from Cisco Marketplace at the Product Documentation Store at this URL:

http://www.cisco.com/go/marketplace/docstore

Ordering Documentation

You must be a registered Cisco.com user to access Cisco Marketplace. Registered users may order Cisco documentation at the Product Documentation Store at this URL:

http://www.cisco.com/go/marketplace/docstore

If you do not have a user ID or password, you can register at this URL:

http://tools.cisco.com/RPF/register/register.do

Documentation Feedback

You can provide feedback about Cisco technical documentation on the Cisco Technical Support & Documentation site area by entering your comments in the feedback form available in every online document.

Cisco Product Security Overview

Cisco provides a free online Security Vulnerability Policy portal at this URL:

http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html

From this site, you will find information about how to do the following:

- Report security vulnerabilities in Cisco products
- Obtain assistance with security incidents that involve Cisco products
- Register to receive security information from Cisco

A current list of security advisories, security notices, and security responses for Cisco products is available at this URL:

http://www.cisco.com/go/psirt

To see security advisories, security notices, and security responses as they are updated in real time, you can subscribe to the Product Security Incident Response Team Really Simple Syndication (PSIRT RSS) feed. Information about how to subscribe to the PSIRT RSS feed is found at this URL:

http://tools.cisco.com/security/center/rss.x?i=44

Reporting Security Problems in Cisco Products

Cisco is committed to delivering secure products. We test our products internally before we release them, and we strive to correct all vulnerabilities quickly. If you think that you have identified a vulnerability in a Cisco product, contact PSIRT:

- For emergencies only—security-alert@cisco.com

  An emergency is either a condition in which a system is under active attack or a condition for which a severe and urgent security vulnerability should be reported. All other conditions are considered nonemergencies.

- For nonemergencies—psirt@cisco.com

In an emergency, you can also reach PSIRT by telephone:

- 1 877 228-7302
- 1 408 525-6532

Tip We encourage you to use Pretty Good Privacy (PGP) or a compatible product (for example, GnuPG) to encrypt any sensitive information that you send to Cisco. PSIRT can work with information that has been encrypted with PGP versions 2.*x* through 9.*x*.

Never use a revoked encryption key or an expired encryption key. The correct public key to use in your correspondence with PSIRT is the one linked in the Contact Summary section of the Security Vulnerability Policy page at this URL:

http://www.cisco.com/en/US/products/products_security_vulnerability_policy.html

The link on this page has the current PGP key ID in use.

If you do not have or use PGP, contact PSIRT to find other means of encrypting the data before sending any sensitive material.

Product Alerts and Field Notices

Modifications to or updates about Cisco products are announced in Cisco Product Alerts and Cisco Field Notices. You can receive Cisco Product Alerts and Cisco Field Notices by using the Product Alert Tool on Cisco.com. This tool enables you to create a profile and choose those products for which you want to receive information.

To access the Product Alert Tool, you must be a registered Cisco.com user. (To register as a Cisco.com user, go to this URL: http://tools.cisco.com/RPF/register/register.do) Registered users can access the tool at this URL: http://tools.cisco.com/Support/PAT/do/ViewMyProfiles.do?local=en

Obtaining Technical Assistance

Cisco Technical Support provides 24-hour-a-day award-winning technical assistance. The Cisco Technical Support & Documentation website on Cisco.com features extensive online support resources. In addition, if you have a valid Cisco service contract, Cisco Technical Assistance Center (TAC) engineers provide telephone support. If you do not have a valid Cisco service contract, contact your reseller.

Cisco Technical Support & Documentation Website

The Cisco Technical Support & Documentation website provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The website is available 24 hours a day at this URL:

http://www.cisco.com/cisco/web/support/index.html

Access to all tools on the Cisco Technical Support & Documentation website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a user ID or password, you can register at this URL:

http://tools.cisco.com/RPF/register/register.do

Note Use the **Cisco Product Identification Tool** to locate your product serial number before submitting a request for service online or by phone. You can access this tool from the Cisco Technical Support & Documentation website by clicking the **Tools & Resources** link, clicking the **All Tools (A-Z)** tab, and then choosing **Cisco Product Identification Tool** from the alphabetical list. This tool offers three search options: by product ID or model name; by tree view; or, for certain products, by copying and pasting **show** command output. Search results show an illustration of your product with the serial number label location highlighted. Locate the serial number label on your product and record the information before placing a service call.

Tip Displaying and Searching on Cisco.com

If you suspect that the browser is not refreshing a web page, force the browser to update the web page by holding down the Ctrl key while pressing F5.

To find technical information, narrow your search to look in technical documentation, not the entire Cisco.com website. On the Cisco.com home page, click the **Advanced Search** link under the Search box and then click the **Technical Support & Documentation**.radio button.

To provide feedback about the Cisco.com website or a particular technical document, click **Contacts & Feedback** at the top of any Cisco.com web page.

Submitting a Service Request

Using the online TAC Service Request Tool is the fastest way to open S3 and S4 service requests. (S3 and S4 service requests are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Service Request Tool provides recommended solutions. If your issue is not resolved using the recommended resources, your service request is assigned to a Cisco engineer. The TAC Service Request Tool is located at this URL:

http://tools.cisco.com/ServiceRequestTool/create/launch.do

For S1 or S2 service requests, or if you do not have Internet access, contact the Cisco TAC by telephone. (S1 or S2 service requests are those in which your production network is down or severely degraded.) Cisco engineers are assigned immediately to S1 and S2 service requests to help keep your business operations running smoothly.

To open a service request by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411
Australia: 1 800 805 227
EMEA: +32 2 704 55 55
USA: 1 800 553 2447

For a complete list of Cisco TAC contacts, go to this URL:

http://www.cisco.com/en/US/support/tsd_contact_technical_support.html

Definitions of Service Request Severity

To ensure that all service requests are reported in a standard format, Cisco has established severity definitions.

Severity 1 (S1)—An existing network is "down" or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Severity 2 (S2)—Operation of an existing network is severely degraded, or significant aspects of your business operations are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Severity 3 (S3)—Operational performance of the network is impaired while most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Severity 4 (S4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The *Cisco Product Quick Reference Guide* is a handy, compact reference tool that includes brief product overviews, key features, sample part numbers, and abbreviated technical specifications for many Cisco products that are sold through channel partners. It is updated twice a year and includes the latest Cisco channel product offerings. To order and find out more about the *Cisco Product Quick Reference Guide*, go to this URL:

  http://www.cisco.com/go/guide

- Cisco Marketplace provides a variety of Cisco books, reference guides, documentation, and logo merchandise. Visit Cisco Marketplace, the company store, at this URL:

  http://www.cisco.com/go/marketplace/

- Cisco Press publishes a wide range of general networking, training, and certification titles. Both new and experienced users will benefit from these publications. For current Cisco Press titles and other information, go to Cisco Press at this URL:

  http://www.ciscopress.com

- *Packet* magazine is the magazine for Cisco networking professionals. Each quarter, *Packet* delivers coverage of the latest industry trends, technology breakthroughs, and Cisco products and solutions, as well as network deployment and troubleshooting tips, configuration examples, customer case studies, certification and training information, and links to scores of in-depth online resources. You can subscribe to *Packet* magazine at this URL:

  http://www.cisco.com/web/about/ac123/ac114/about_cisco_packet_magazine.html

- *Internet Protocol Journal* is a quarterly journal published by Cisco Systems for engineering professionals involved in designing, developing, and operating public and private internets and intranets. You can access the *Internet Protocol Journal* at this URL:

  http://www.cisco.com/web/about/ac123/ac147/about_cisco_the_internet_protocol_journal.html

- Networking products offered by Cisco Systems, as well as customer support services, can be obtained at this URL:

  http://www.cisco.com/en/US/products/index.html

- Networking Professionals Connection is an interactive website where networking professionals share questions, suggestions, and information about networking products and technologies with Cisco experts and other networking professionals. Join a discussion at this URL:

  http://www.cisco.com/discuss/networking

- "What's New in Cisco Documentation" is an online publication that provides information about the latest documentation releases for Cisco products. Updated monthly, this online publication is organized by product category to direct you quickly to the documentation for your products. You can view the latest release of "What's New in Cisco Documentation" at this URL:

  http://www.cisco.com/univercd/cc/td/doc/abtunicd/136957.htm

- World-class networking training is available from Cisco. You can view current offerings at this URL:

  http://www.cisco.com/en/US/learning/index.html

This document is to be used in conjunction with the documents listed in the "Product Documentation" section.